PATENT COOPERATION TREATY

PCT

REC'D 2 5 JAN 2005

INTERNATIONAL PRELIMINARY EXAMINATION REPORT PCT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference DRH/BP6184071				FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No. PCT/GB 03/05166				International filing date 27.11.2003	e (day/month/year)	Priority date (day/month/year) 27.11.2002	
Intern A61			ent Classification (IPC) or bo	th national classification	and IPC		
Applio HAN		CK, C	Christopher Paul et al.				
1.	This Auth	inter nority	national preliminary exan and is transmitted to the	nination report has be applicant according to	een prepared by this o Article 36.	s International Preliminary Examining	
2.	This	REP	ORT consists of a total o	f 6 sheets, including	this cover sheet.		
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					ing rectifications made before this Authority	
	These annexes consist of a total of 17 sheets.						
3:	This	repo	rt contains indications rel	ating to the following	items:	ting the control of t	
	i	\boxtimes	Basis of the opinion				
	li		Priority				
	Ш	\boxtimes	•	pinion with regard to	novelty inventive s	ten and industrial applicability	
	IV	\boxtimes	Lack of unity of invention	pinion with regard to novelty, inventive step and industrial applicability			
V Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applications and explanations supporting such statement			ty, inventive step or industrial applicability;				
	VI		Certain documents cite				
	VII		Certain defects in the ir	nternational applicatio	n		
VIII Certain observations on the international application				· ·			
Date of submission of the demand				Date of completion	of this report		
21.06.2004					20.01.2005		
Name prelimi	and r	exami	address of the internationa ning authority:	i	Authorized Officer	and the parameter of the state	
European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx; 523656 epmu d			6 epmu d	Kurze, V	2. essent		
Fax: +49 89 2399 - 4465					Telephone No. +49	9 89 2399-7380 Outce only of the control of the con	

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I.	Bas	is o	f the	repo	ort
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Description, Pages

1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	2-4	14	as originally filed					
	1		received on 01.03.2004 with letter of 01.03.2004					
	CI.	alman Maria kara						
		aims, Numbers						
		29, 30 (part)	as originally filed					
	30	(part), 31-39	filed with telefax on 13.09.2004					
	Dra	awings, Sheets						
	1/1	4-14/14	received on 01.03.2004 with letter of 01.03.2004					
With regard to the language, all the elements marked above were available or furnished to this Auth language in which the international application was filed, unless otherwise indicated under this item.								
	The	These elements were available or furnished to this Authority in the following language: , which is:						
		the language of a tr	anslation furnished for the purposes of the international search (under Rule 23.1(b)).					
•	the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).							
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:							
		contained in the inte	ernational application in written form.					
		filed together with the international application in computer readable form.						
		The statement that t in the international a	he subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.					
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.					
. The amendments have resulted in the cancellation of:								
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					

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5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).		
		(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)		
6.	Ad	ditional observations, if necessary:		
111	. No	n-establishment of opinion with regard to novelty, inventive step and industrial applicability		
1.	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:			
		the entire international application,		
		claims Nos. 27-33,35		
		because:		
		the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (specify):		
	×	the description, claims or drawings (indicate particular elements below) or said claims Nos. 1-18 are so unclear that no meaningful opinion could be formed (specify):		
ža.		see separate sheet		
		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.		
	Ø	no international search report has been established for the said claims Nos. 27-33,35		
2.	or a	neaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/ Imino acid sequence listing to comply with the standard provided for in Annex C of the Administrative ructions:		
		the written form has not been furnished or does not comply with the Standard.		
	□ .	the computer readable form has not been furnished or does not comply with the Standard.		
IV.	Lac	k of unity of invention		
.1.	<u>lņ</u> re	esponse to the invitation to restrict or pay additional fees, the applicant has:		
		restricted the claims.		
	Ø	paid additional fees.		
		paid additional fees under protest.		
		neither restricted nor paid additional fees.		
2.		This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.		
3.	This	Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3		

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		complied with.			
		not complied with for the follo	wing re	easons:	
 Consequently, the following parts of the international application examination in establishing this report: 			application were the subject of international preliminary		
		all parts.			
	\boxtimes	the parts relating to claims No	s. 1-18	3,34-39 .	
٧.	Rea cita	soned statement under Artic tions and explanations supp	cle 35(orting	2) with rega	ard to novelty, inventive step or industrial applicability ement
1. Statement					
	Nov	elty (N)	Yes: No:	Claims Claims	34-39 1-18
	Inve	entive step (IS)	Yes: No:	Claims Claims	34-39 . 1-18
	Indu	strial applicability (IA)	Yes: No:	Claims Claims	1-18,34-39
2.	Cita	tions and explanations	•		,
	see	separate sheet			



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Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The first invention (claims 1-18) contains 2 independent apparatus claims (1 and 2). Although these claims have been drafted as separate independent claims, they appear to relate effectively to the same subject-matter and to differ from each other only with regard to the definition of the subject-matter for which protection is sought in respect of the terminology used for the features of that subject-matter. The aforementioned claims therefore lack conciseness. Moreover, lack of clarity of the claims as a whole arises, since the plurality of independent claims makes it difficult, if not impossible, to determine the matter for which protection is sought, and places an undue burden on others seeking to establish the extent of the protection.

Hence, the claims on file do not meet the requirements of Article 6 PCT.

Re Item IV

Lack of unity of invention

The arguments set forth in the Invitation to pay additional search fees, dated 1.4.2004, are still valid. Since only the claims concerning the first and fourth invention have been searched and the applicant has requested examination of the first and fourth invention, only these claims are examined.

It is noted that claim 35 as originally filed belonged to an unsearched invention. The amendments have rendered it now part of the fourth invention.

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. The invention as claimed in independent claims 1 or 2 concerns well-known tuning means for matching the wave impedance of the probe such that the microwave radiation is not reflected back into the probe but is radiated away from the probe. Such tuning means and detectors for detecting magnitude and phase of reflected radiation are common practise. Therefore, claims 1 and 2 lack novelty (Article 33(2) PCT).



2. Claim 34 defines an apparatus which has not been disclosed or rendered obvious by the available prior art. The arguments set forth in the letter dated 24.08.2004 are endorsed by the examiner.

Therefore, the subject-matter of claim 34 and by virtue of their dependence, claims 35-39 are considered novel and inventive (Article 33(2) and (3) PCT) over the available prior art.